

Sheet 1 of I

Form PTO-1449 (modified)
INFORMATION DISCLOSURE CITATION



Atty. Docket No. 8514-58 (STA25)

Serial No. 09/639,948

Applicant: Hoffman

Filing Date August 17, 2000 Group 2761

## **U.S. Patent Documents**

Initial	Document Number	Date	Name	Class/Subclass
FD	5,892,824	04/06/99	Beatson et al.	380/25
FD	6,202,151 B1	03/13/2001	Musgrave et al.	713/186
FB	6,310,966 B1	10/30/2001	Dulude et al.	382/115

RECEIVED
JUN 2 1 2002
GROUP 3600

Examiner

Date Considered

9/12/06

\*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.





JUL 2 7 2001

Page 1 of 3

Form PTO-1449 (modified) INFORMATION DISCLOSURE CITATION	Atty. Docket Nechnology Center SymplyNo. 8514-58 09/639,948			
	Applicant: Ned Hoffman			
	Filing Date August 17, 2000	Group 2761		

## **U.S. PATENT DOCUMENTS**

4,321,672 3/1982 Braun 364 408 4,390,968 6/1983 Hennessy 364 900 4,484,328 11/1984 Schlafly 370 394 4,675,815 6/1987 Kuroki 364 900 4,734,858 3/1988 Schlafly 705 26 4,799,156 1/1989 Shavit 364 401 4,821,118 4/1989 Lafreniere 358 108 4,837,422 6/1989 Dethloff et al. 364 408 4,926,480 5/1990 Chaum 380 23 4,947,028 8/1990 Gorog 235 380 4,947,028 8/1990 Gorog 235 380 4,961,142 10/1990 Elliott et al. 364 408 4,993,068 2/1991 Piosenka et al. 380 23 4,995,086 2/1991 Lilley et al. 382 4 4,993,279 3/1991 Weiss 340 825 5,036,461 7/1991 Elliot et al. 364 408 5,054,089 10/1991 Uchida et al 382 4 5,054,089 10/1991 Uchida et al 382 4 5,095,194 3/1992 Barbanell 235 380 5,109,427 4/1992 Yang 382 4 5,109,428 4/1992 Igaki et al. 382 4 5,109,428 4/1992 Igaki et al. 382 4 5,109,428 4/1992 Higuchi et al. 382 4 5,109,428 4/1992 Higuchi et al. 382 4 5,168,520 12/1992 Weiss 380 23 5,146,102 9/1992 Higuchi et al. 382 4 5,126,588 5/1993 Lang 380 25 5,131,611 3/1993 Lang 380 25 5,210,588 5/1993 Lee 356 71 5,222,152 6/1993 Fishbine et al. 382 4 5,229,764 7/1993 Matchett et al. 382 4 5,229,764 7/1993 Fishbine et al. 382 4 5,229,764 7/1993 Fishbine et al. 382 4 5,224,1606 8/1993 Horie 382 4 5,225,225 1/1994 Martino et al. 380 23 5,241,606 8/1993 Horie 382 4 5,224,1606 8/1993 Horie 382 4 5,225,225,225 1/1994 Martino et al. 380 24 5,226,527 1/1994 Martino et al. 380 24 5,226,527 1/1994 Martino et al. 380 24 5,226,527 1/1994 Martino et al. 380 23 5,321,242 6/1994 Heath, Jr. 235 382	Initial	Document Number	Date	Name	Class	Subclass
4,390,968 6/1983 Hennessy 364 900 4,484,328 11/1984 Schlafly 370 394 4,675,815 6/1987 Kuroki 364 900 4,734,858 3/1988 Schlafly 705 26 4,799,156 1/1989 Shavit 364 401 4,821,118 4/1989 Lafreniere 358 108 4,837,422 6/1989 Dethloff et al. 364 408 4,926,480 5/1990 Chaum 380 23 4,947,028 8/1990 Gorog 235 380 4,947,028 8/1990 Elliott et al. 364 408 4,993,068 2/1991 Piosenka et al. 380 23 4,995,086 2/1991 Lilley et al. 382 4 4,995,086 2/1991 Weiss 340 825 5,036,461 7/1991 Elliot et al. 364 408 5,054,089 10/1991 Uchida et al 382 4 5,005,194 3/1992 Barbanell 235 380 5,109,427 4/1992 Yang 382 4 5,109,428 4/1992 Igaki et al. 382 4 5,109,428 4/1992 Higuchi et al. 382 4 5,109,428 4/1992 Higuchi et al. 382 4 5,168,520 12/1992 Higuchi et al. 382 4 5,168,520 12/1992 Higuchi et al. 382 4 5,168,520 12/1992 Higuchi et al. 382 4 5,109,428 4/1992 Higuchi et al. 382 4 5,168,520 12/1992 Higuchi et al. 382 4 5,168,520 12/1992 Higuchi et al. 382 4 5,109,428 4/1993 Hiramatsu 235 380 5,110,1611 3/1993 Lang 380 25 5,210,588 5/1993 Lee 356 71 5,210,797 5/1993 Usui et al. 382 4 5,222,152 6/1993 Fishbine et al. 382 4 5,229,764 7/1993 Matchett et al. 382 4 5,229,764 7/1993 Fishbine et al. 382 4 5,229,764 7/1993 Fishbine et al. 382 4 5,229,764 7/1993 Matchett et al. 380 23 5,241,606 8/1993 Horie 382 4 5,221,259 10/1993 Bush et al. 380 23 5,265,162 11/1994 Martino et al. 235 380 5,321,242 6/1994 Heath, Jr. 235 382	FB	4 321 672	3/1982	Braun	364	408
4,484,328 11/1984 Schlafly 370 394 4,675,815 6/1987 Kuroki 364 900 4,734,858 3/1988 Schlafly 705 26 4,799,156 1/1989 Shavit 364 401 4,821,118 4/1989 Lafreniere 358 108 4,837,422 6/1989 Dethloff et al. 364 408 4,926,480 5/1990 Chaum 380 23 4,947,028 8/1990 Gorog 235 380 4,961,142 10/1990 Elliott et al. 364 408 4,993,068 2/1991 Piosenka et al. 380 23 4,995,086 2/1991 Lilley et al. 382 4 4,998,279 3/1991 Weiss 340 825 5,036,461 7/1991 Elliot et al. 364 408 5,054,089 10/1991 Uchida et al 382 4 5,054,089 10/1991 Uchida et al 382 4 5,109,427 4/1992 Barbanell 235 380 5,109,427 4/1992 Yang 382 4 5,109,428 4/1992 Igaki et al. 382 5 5,144,680 9/1992 Kobayashi 250 5,146,102 9/1992 Higuchi et al. 382 4 5,168,520 12/1992 Weiss 380 23 5,180,901 1/1993 Hiramatsu 235 380 5,191,611 3/1993 Lang 380 25 5,221,152 6/1993 Fishbine et al. 382 4 5,222,152 6/1993 Fishbine et al. 382 4 5,229,764 7/1993 Fishbine et al. 382 4 5,239,583 8/1993 Parrillo 380 23 5,241,606 8/1993 Horie 382 4 5,224,1604 6/1993 Fishbine et al. 382 4 5,224,1604 6/1993 Fishbine et al. 382 4 5,229,764 7/1993 Fishbine et al. 382 4 5,229,764 7/1993 Fishbine et al. 382 4 5,224,1606 8/1993 Horie 382 4 5,224,1604 6/1993 Fishbine et al. 380 23 5,241,606 8/1993 Horie 382 4 5,224,1604 6/1993 Fishbine et al. 380 23 5,231,5259 10/1993 Mosley 380 23 5,265,162 11/1994 Martino et al. 235 380 5,280,527 1/1994 Gullman et al. 380 24 5,226,527 1/1994 Heath, Jr. 235 382	+					
4,675,815 6/1987 Kuroki 364 900 4,734,858 3/1988 Schlafly 705 26 4,799,156 1/1989 Shavit 364 401 4,821,118 4/1989 Lafreniere 358 108 4,837,422 6/1989 Dethloff et al. 364 408 4,926,480 5/1990 Gorog 235 380 4,947,028 8/1990 Elliott et al. 364 408 4,993,068 2/1991 Piosenka et al. 380 23 4,995,086 2/1991 Lilley et al. 382 4 4,995,086 2/1991 Weiss 340 825 5,036,461 7/1991 Elliot et al. 364 408 5,054,089 10/1991 Uchida et al 382 4 5,095,194 3/1992 Barbanell 235 380 5,109,427 4/1992 Yang 382 4 5,109,427 4/1992 Yang 382 4 5,109,427 4/1992 Higuchi et al. 382 5 5,144,680 9/1992 Kobayashi 250 556 5,146,102 9/1992 Higuchi et al. 382 4 5,168,520 12/1992 Weiss 380 23 5,180,901 1/1993 Hiramatsu 235 380 5,191,611 3/1993 Lang 380 25 5,210,588 5/1993 Lee 356 71 5,222,152 6/1993 Fishbine et al. 382 4 5,229,764 7/1993 Matchett et al. 382 4 5,229,764 7/1993 Fishbine et al. 382 4 5,230,025 7/1993 Fishbine et al. 382 4 5,229,764 7/1993 Matchett et al. 380 23 5,241,606 8/1993 Fishbine et al. 382 4 5,229,764 7/1993 Fishbine et al. 382 4 5,230,025 7/1993 Fishbine et al. 382 4 5,230,025 7/1993 Fishbine et al. 382 4 5,230,527 1/1994 Gullman et al. 380 23 5,265,162 11/1993 Bush et al. 380 24 5,276,314 1/1994 Martino et al. 235 382 5,321,242 6/1994 Heath, Jr. 235 382				•		
4,734,858 3/1988 Schlafly 705 26 4,799,156 1/1989 Shavit 364 401 4,821,118 4/1989 Lafreniere 358 108 4,837,422 6/1989 Dethloff et al. 364 408 4,926,480 5/1990 Chaum 380 23 4,947,028 8/1990 Gorog 235 380 4,961,142 10/1990 Elliott et al. 364 408 4,993,068 2/1991 Piosenka et al. 380 23 4,995,086 2/1991 Lilley et al. 382 4 4,998,279 3/1991 Weiss 340 825 5,036,461 7/1991 Elliot et al. 364 408 5,054,089 10/1991 Uchida et al 382 4 5,095,194 3/1992 Barbanell 235 380 5,109,427 4/1992 Yang 382 4 5,109,428 4/1992 Igaki et al. 382 5 5,144,680 9/1992 Kobayashi 250 556 5,146,102 9/1992 Higuchi et al. 382 4 5,168,520 12/1992 Weiss 380 23 5,188,500 11/1993 Hiramatsu 235 380 5,191,611 3/1993 Lang 380 25 5,210,787 5/1993 Lee 356 71 5,222,152 6/1993 Fishbine et al. 382 4 5,229,764 7/1993 Matchett et al. 382 4 5,239,583 8/1993 Parrillo 380 23 5,241,606 8/1993 Fishbine et al. 382 4 5,257,63,14 1/1994 Martino et al. 235 380 5,276,314 1/1994 Martino et al. 235 380 5,312,242 6/1994 Gullman et al. 380 23 5,280,527 1/1994 Gullman et al. 380 23 5,280,527 1/1994 Gullman et al. 380 23 5,321,242 6/1994 Heath, Jr. 235 382	$\neg$			•		
4,799,156 1/1989 Shavit 364 401 4,821,118 4/1989 Lafreniere 358 108 4,837,422 6/1989 Dethloff et al. 364 408 4,926,480 5/1990 Chaum 380 23 4,947,028 8/1990 Gorog 235 380 4,961,142 10/1990 Elliott et al. 364 408 4,993,068 2/1991 Piosenka et al. 380 23 4,995,086 2/1991 Lilley et al. 382 4 4,995,086 2/1991 Weiss 340 825 5,036,461 7/1991 Elliot et al. 364 408 5,054,089 10/1991 Uchida et al 382 4 5,095,194 3/1992 Barbanell 235 380 5,109,427 4/1992 Yang 382 4 5,109,428 4/1992 Igaki et al. 382 5 5,144,680 9/1992 Kobayashi 250 556 5,146,102 9/1992 Higuchi et al. 382 4 5,168,520 12/1992 Weiss 380 23 5,180,901 1/1993 Hiramatsu 235 380 5,191,611 3/1993 Lang 380 25 5,210,588 5/1993 Lee 356 71 5,220,754 7/1993 Hiramatsu 235 380 5,222,152 6/1993 Fishbine et al. 382 4 5,229,764 7/1993 Matchett et al. 382 4 5,229,764 7/1993 Matchett et al. 382 4 5,229,764 7/1993 Fishbine et al. 382 4 5,239,583 8/1993 Parrillo 380 23 5,241,606 8/1993 Horie 382 4 5,251,259 10/1993 Mosley 380 23 5,265,162 11/1993 Bush et al. 380 24 5,265,162 11/1993 Bush et al. 380 24 5,280,527 1/1994 Gullman et al. 380 24 5,280,527 1/1994 Gullman et al. 380 23 5,331,242 6/1994 Heath, Jr. 235 382	1					
4,821,118	<b>—</b>					
4,837,422 6/1989 Dethloff et al. 364 408 4,926,480 5/1990 Chaum 380 23 4,947,028 8/1990 Gorog 235 380 4,961,142 10/1990 Elliott et al. 364 408 4,993,068 2/1991 Piosenka et al. 380 23 4,995,086 2/1991 Lilley et al. 382 4 4,998,279 3/1991 Weiss 340 825 5,036,461 7/1991 Elliot et al. 364 408 5,054,089 10/1991 Uchida et al. 382 4 5,095,194 3/1992 Barbanell 235 380 5,109,427 4/1992 Yang 382 4 5,109,428 4/1992 Igaki et al. 382 5 5,144,680 9/1992 Kobayashi 250 556 5,146,102 9/1992 Higuchi et al. 382 4 5,168,520 12/1992 Weiss 380 23 5,180,901 1/1993 Hiramatsu 235 380 5,191,611 3/1993 Lang 380 25 5,210,588 5/1993 Lee 356 71 5,221,757 5/1993 Usui et al. 382 4 5,229,764 7/1993 Fishbine et al. 380 23 5,241,606 8/1993 Fishbine et al. 380 23 5,265,162 1/1/1994 Martino et al. 380 23 5,265,162 1/1/1994 Gullman et al. 380 24 5,226,527 1/1994 Gullman et al. 380 23 5,321,242 6/1994 Heath, Jr. 235 382						
4,926,480 5/1990 Chaum 380 23 4,947,028 8/1990 Gorog 235 380 4,961,142 10/1990 Elliott et al. 364 408 4,993,068 2/1991 Piosenka et al. 380 23 4,995,086 2/1991 Weiss 340 825 5,036,461 7/1991 Elliot et al. 364 408 5,054,089 10/1991 Uchida et al. 382 4 5,095,194 3/1992 Barbanell 235 380 5,109,427 4/1992 Yang 382 4 5,109,428 4/1992 Igaki et al. 382 5 5,144,680 9/1992 Kobayashi 250 556 5,146,102 9/1992 Higuchi et al. 382 4 5,168,520 12/1992 Weiss 380 23 5,180,901 1/1993 Hiramatsu 235 380 5,191,611 3/1993 Lang 380 25 5,210,588 5/1993 Lee 356 71 5,222,152 6/1993 Fishbine et al. 382 4 5,229,764 7/1993 Matchett et al. 382 4 5,229,764 7/1993 Fishbine et al. 382 4 5,239,583 8/1993 Parrillo 380 23 5,241,606 8/1993 Fishbine et al. 382 4 5,251,259 10/1993 Mosley 380 23 5,241,606 8/1993 Fishbine et al. 382 4 5,251,259 10/1993 Mosley 380 23 5,265,162 11/1993 Mosley 380 23 5,265,162 11/1993 Mosley 380 23 5,276,314 1/1994 Martino et al. 380 24 5,280,527 1/1994 Gullman et al. 380 23	_					
4,947,028 8/1990 Gorog 235 380  4,961,142 10/1990 Elliott et al. 364 408  4,993,068 2/1991 Piosenka et al. 380 23  4,995,086 2/1991 Lilley et al. 382 4  4,998,279 3/1991 Weiss 340 825  5,036,461 7/1991 Elliot et al. 364 408  5,054,089 10/1991 Uchida et al 382 4  5,095,194 3/1992 Barbanell 235 380  5,109,427 4/1992 Yang 382 4  5,109,428 4/1992 Igaki et al. 382 5  5,144,680 9/1992 Kobayashi 250 556  5,146,102 9/1992 Higuchi et al. 382 4  5,168,520 12/1992 Weiss 380 23  5,180,901 1/1993 Hiramatsu 235 380  5,191,611 3/1993 Lang 380 25  5,210,588 5/1993 Lee 356 71  5,210,797 5/1993 Usui et al. 382 4  5,224,164 6/1993 Fishbine et al. 382 4  5,229,764 7/1993 Matchett et al. 380 44  5,229,764 7/1993 Fishbine et al. 380 44  5,229,764 7/1993 Fishbine et al. 380 23  5,221,529 10/1993 Fishbine et al. 380 23  5,221,529 10/1993 Fishbine et al. 380 23  5,221,529 10/1993 Parrillo 380 23  5,221,529 10/1993 Parrillo 380 23  5,221,529 10/1993 Bush et al. 380 24  5,225,6314 1/1994 Martino et al. 380 24  5,226,527 1/1994 Gullman et al. 380 23  5,280,527 1/1994 Gullman et al. 380 23  5,220,522 1/1994 Gullman et al. 380 23  5,220,527 1/1994 Gullman et al. 380 23  5,220,527 1/1994 Gullman et al. 380 23	<del> </del>	• •				
4,961,142 10/1990 Elliott et al. 364 408 4,993,068 2/1991 Piosenka et al. 380 23 4,995,086 2/1991 Lilley et al. 382 4 4,998,279 3/1991 Weiss 340 825 5,036,461 7/1991 Elliot et al. 364 408 5,054,089 10/1991 Uchida et al 382 4 5,095,194 3/1992 Barbanell 235 380 5,109,427 4/1992 Yang 382 4 5,109,428 4/1992 Igaki et al. 382 5 5,144,680 9/1992 Kobayashi 250 556 5,146,102 9/1992 Higuchi et al. 382 4 5,168,520 12/1992 Weiss 380 23 5,180,901 1/1993 Hiramatsu 235 380 5,191,611 3/1993 Lang 380 25 5,210,588 5/1993 Lee 356 71 5,210,797 5/1993 Usui et al. 382 4 5,229,764 7/1993 Fishbine et al. 382 4 5,229,764 7/1993 Fishbine et al. 382 4 5,230,025 7/1993 Fishbine et al. 382 4 5,239,583 8/1993 Parrillo 380 23 5,265,162 11/1993 Bush et al. 380 24 5,221,259 10/1993 Fishbine et al. 382 4 5,239,583 8/1993 Parrillo 380 23 5,265,162 11/1993 Bush et al. 380 24 5,227,6314 1/1994 Martino et al. 380 24 5,228,527 1/1994 Gullman et al. 380 23 5,280,527 1/1994 Gullman et al. 380 23 5,280,527 1/1994 Gullman et al. 380 23 5,221,242 6/1994 Heath, Jr. 235 382	+					
4,993,068 2/1991 Piosenka et al. 380 23 4,995,086 2/1991 Lilley et al. 382 4 4,998,279 3/1991 Weiss 340 825 5,036,461 7/1991 Elliot et al. 364 408 5,054,089 10/1991 Uchida et al 382 4 5,095,194 3/1992 Barbanell 235 380 5,109,427 4/1992 Yang 382 4 5,109,428 4/1992 Igaki et al. 382 5 5,144,680 9/1992 Kobayashi 250 556 5,146,102 9/1992 Higuchi et al. 382 4 5,168,520 12/1992 Weiss 380 23 5,180,901 1/1993 Hiramatsu 235 380 5,191,611 3/1993 Lang 380 25 5,210,588 5/1993 Lee 356 71 5,210,797 5/1993 Usui et al. 382 4 5,222,152 6/1993 Fishbine et al. 382 2 5,224,164 6/1993 Eisner et al. 380 44 5,229,764 7/1993 Matchett et al. 382 4 5,230,025 7/1993 Fishbine et al. 382 4 5,230,025 7/1993 Fishbine et al. 382 4 5,239,583 8/1993 Parrillo 380 23 5,265,162 11/1993 Bush et al. 380 24 5,276,314 1/1994 Martino et al. 380 24 5,280,527 1/1994 Gullman et al. 380 23 5,321,242 6/1994 Heath, Jr. 235 382	+	•		-		
4,995,086 2/1991 Lilley et al. 382 4 4,998,279 3/1991 Weiss 340 825 5,036,461 7/1991 Elliot et al. 364 408 5,054,089 10/1991 Uchida et al 382 4 5,095,194 3/1992 Barbanell 235 380 5,109,427 4/1992 Yang 382 4 5,109,428 4/1992 Igaki et al. 382 5 5,144,680 9/1992 Kobayashi 250 556 5,146,102 9/1992 Higuchi et al. 382 4 5,168,520 12/1992 Weiss 380 23 5,180,901 1/1993 Hiramatsu 235 380 5,191,611 3/1993 Lang 380 25 5,210,588 5/1993 Lee 356 71 5,210,797 5/1993 Usui et al. 382 4 5,222,152 6/1993 Fishbine et al. 382 4 5,222,152 6/1993 Fishbine et al. 382 2 5,224,164 6/1993 Eisner et al. 380 44 5,229,764 7/1993 Matchett et al. 380 44 5,229,764 7/1993 Matchett et al. 382 4 5,230,025 7/1993 Fishbine et al. 382 4 5,239,583 8/1993 Parrillo 380 23 5,241,606 8/1993 Horie 382 4 5,251,259 10/1993 Mosley 380 23 5,265,162 11/1994 Martino et al. 380 24 5,276,314 1/1994 Martino et al. 380 23 5,280,527 1/1994 Gullman et al. 380 23						
4,998,279       3/1991       Weiss       340       825         5,036,461       7/1991       Elliot et al.       364       408         5,054,089       10/1991       Uchida et al.       382       4         5,095,194       3/1992       Barbanell       235       380         5,109,427       4/1992       Yang       382       4         5,109,428       4/1992       Igaki et al.       382       5         5,144,680       9/1992       Kobayashi       250       556         5,146,102       9/1992       Higuchi et al.       382       4         5,168,520       12/1992       Weiss       380       23         5,180,901       1/1993       Hiramatsu       235       380         5,210,588       5/1993       Lee       356       71         5,210,588       5/1993       Lee       356       71         5,222,152       6/1993       Fishbine et al.       382       4         5,222,152       6/1993       Eisner et al.       380       44         5,230,025       7/1993       Matchett et al.       382       4         5,239,583       8/1993       Parrillo       380       <						
5,036,461       7/1991       Elliot et al.       364       408         5,054,089       10/1991       Uchida et al.       382       4         5,095,194       3/1992       Barbanell.       235       380         5,109,427       4/1992       Yang.       382       4         5,109,428       4/1992       Igaki et al.       382       5         5,144,680       9/1992       Kobayashi       250       556         5,146,102       9/1992       Higuchi et al.       382       4         5,168,520       12/1992       Weiss       380       23         5,180,901       1/1993       Hiramatsu       235       380         5,191,611       3/1993       Lang       380       25         5,210,588       5/1993       Lee       356       71         5,210,797       5/1993       Usui et al.       382       4         5,222,152       6/1993       Eisner et al.       380       44         5,229,764       7/1993       Matchett et al.       380       44         5,239,583       8/1993       Parrillo       380       23         5,241,606       8/1993       Horie       382 <t< td=""><td>+</td><td></td><td></td><td></td><td></td><td></td></t<>	+					
5,054,089       10/1991       Uchida et al       382       4         5,095,194       3/1992       Barbanell       235       380         5,109,427       4/1992       Yang       382       4         5,109,428       4/1992       Igaki et al.       382       5         5,144,680       9/1992       Kobayashi       250       556         5,146,102       9/1992       Higuchi et al.       382       4         5,168,520       12/1992       Weiss       380       23         5,180,901       1/1993       Hiramatsu       235       380         5,191,611       3/1993       Lang       380       25         5,210,588       5/1993       Lee       356       71         5,210,797       5/1993       Usui et al.       382       4         5,222,152       6/1993       Fishbine et al.       382       2         5,224,164       6/1993       Eisner et al.       380       44         5,230,025       7/1993       Fishbine et al.       382       4         5,239,583       8/1993       Parrillo       380       23         5,241,606       8/1993       Horie       382       4<	+-			,		
5,095,194       3/1992       Barbanell       235       380         5,109,427       4/1992       Yang       382       4         5,109,428       4/1992       Igaki et al.       382       5         5,144,680       9/1992       Kobayashi       250       556         5,146,102       9/1992       Higuchi et al.       382       4         5,168,520       12/1992       Weiss       380       23         5,180,901       1/1993       Hiramatsu       235       380         5,191,611       3/1993       Lang       380       25         5,210,588       5/1993       Lee       356       71         5,210,797       5/1993       Usui et al.       382       4         5,222,152       6/1993       Fishbine et al.       382       2         5,224,164       6/1993       Eisner et al.       380       44         5,239,583       8/1993       Parrillo       380       23         5,241,606       8/1993       Horie       382       4         5,251,259       10/1993       Mosley       380       23         5,265,162       11/1993       Bush et al.       380       23	+-					
5,109,427       4/1992       Yang       382       4         5,109,428       4/1992       Igaki et al.       382       5         5,144,680       9/1992       Kobayashi       250       556         5,146,102       9/1992       Higuchi et al.       382       4         5,168,520       12/1992       Weiss       380       23         5,180,901       1/1993       Hiramatsu       235       380         5,191,611       3/1993       Lang       380       25         5,210,588       5/1993       Lee       356       71         5,210,797       5/1993       Usui et al.       382       4         5,222,152       6/1993       Fishbine et al.       382       2         5,224,164       6/1993       Eisner et al.       380       44         5,229,764       7/1993       Matchett et al.       382       4         5,230,025       7/1993       Fishbine et al.       382       4         5,231,583       8/1993       Parrillo       380       23         5,241,606       8/1993       Horie       382       4         5,251,259       10/1993       Mosley       380       23 </td <td>+-</td> <td></td> <td></td> <td></td> <td></td> <td></td>	+-					
5,109,428       4/1992       Igaki et al.       382       5         5,144,680       9/1992       Kobayashi       250       556         5,146,102       9/1992       Higuchi et al.       382       4         5,168,520       12/1992       Weiss       380       23         5,180,901       1/1993       Hiramatsu       235       380         5,191,611       3/1993       Lang       380       25         5,210,588       5/1993       Lee       356       71         5,210,797       5/1993       Usui et al.       382       4         5,222,152       6/1993       Fishbine et al.       382       2         5,224,164       6/1993       Eisner et al.       380       44         5,229,764       7/1993       Matchett et al.       340       825.34         5,230,025       7/1993       Fishbine et al.       382       4         5,239,583       8/1993       Parrillo       380       23         5,241,606       8/1993       Horie       382       4         5,251,259       10/1993       Mosley       380       23         5,265,162       11/1993       Bush et al.       380	+					
5,144,680       9/1992       Kobayashi       250       556         5,146,102       9/1992       Higuchi et al.       382       4         5,168,520       12/1992       Weiss       380       23         5,180,901       1/1993       Hiramatsu       235       380         5,191,611       3/1993       Lang       380       25         5,210,588       5/1993       Lee       356       71         5,210,797       5/1993       Usui et al.       382       4         5,222,152       6/1993       Fishbine et al.       382       2         5,224,164       6/1993       Eisner et al.       380       44         5,229,764       7/1993       Matchett et al.       340       825.34         5,230,025       7/1993       Fishbine et al.       382       4         5,239,583       8/1993       Parrillo       380       23         5,241,606       8/1993       Horie       382       4         5,251,259       10/1993       Mosley       380       23         5,265,162       11/1993       Bush et al.       380       24         5,276,314       1/1994       Martino et al.       235 <td>+-</td> <td></td> <td></td> <td>•</td> <td></td> <td></td>	+-			•		
5,146,102       9/1992       Higuchi et al.       382       4         5,168,520       12/1992       Weiss       380       23         5,180,901       1/1993       Hiramatsu       235       380         5,191,611       3/1993       Lang       380       25         5,210,588       5/1993       Lee       356       71         5,210,797       5/1993       Usui et al.       382       4         5,222,152       6/1993       Fishbine et al.       382       2         5,224,164       6/1993       Eisner et al.       380       44         5,229,764       7/1993       Matchett et al.       340       825.34         5,230,025       7/1993       Fishbine et al.       382       4         5,239,583       8/1993       Parrillo       380       23         5,241,606       8/1993       Horie       382       4         5,251,259       10/1993       Mosley       380       23         5,265,162       11/1993       Bush et al.       380       24         5,276,314       1/1994       Martino et al.       235       380         5,321,242       6/1994       Heath, Jr.       235 </td <td>+-</td> <td></td> <td></td> <td>~</td> <td></td> <td></td>	+-			~		
5,168,520       12/1992       Weiss       380       23         5,180,901       1/1993       Hiramatsu       235       380         5,191,611       3/1993       Lang       380       25         5,210,588       5/1993       Lee       356       71         5,210,797       5/1993       Usui et al.       382       4         5,222,152       6/1993       Fishbine et al.       382       2         5,224,164       6/1993       Eisner et al.       380       44         5,229,764       7/1993       Matchett et al.       340       825.34         5,230,025       7/1993       Fishbine et al.       382       4         5,239,583       8/1993       Parrillo       380       23         5,241,606       8/1993       Horie       382       4         5,251,259       10/1993       Mosley       380       23         5,265,162       11/1993       Bush et al.       380       24         5,276,314       1/1994       Martino et al.       380       23         5,280,527       1/1994       Gullman et al.       380       23         5,321,242       6/1994       Heath, Jr.       235 </td <td>+-</td> <td></td> <td></td> <td></td> <td></td> <td></td>	+-					
5,180,901       1/1993       Hiramatsu       235       380         5,191,611       3/1993       Lang       380       25         5,210,588       5/1993       Lee       356       71         5,210,797       5/1993       Usui et al.       382       4         5,222,152       6/1993       Fishbine et al.       380       44         5,229,764       6/1993       Eisner et al.       380       44         5,230,025       7/1993       Matchett et al.       340       825.34         5,239,583       8/1993       Parrillo       380       23         5,241,606       8/1993       Horie       382       4         5,251,259       10/1993       Mosley       380       23         5,265,162       11/1993       Bush et al.       380       24         5,276,314       1/1994       Martino et al.       235       380         5,280,527       1/1994       Gullman et al.       380       23         5,321,242       6/1994       Heath, Jr.       235       382	+					
5,191,611       3/1993       Lang       380       25         5,210,588       5/1993       Lee       356       71         5,210,797       5/1993       Usui et al.       382       4         5,222,152       6/1993       Fishbine et al.       380       44         5,224,164       6/1993       Eisner et al.       380       44         5,229,764       7/1993       Matchett et al.       340       825.34         5,230,025       7/1993       Fishbine et al.       382       4         5,239,583       8/1993       Parrillo       380       23         5,241,606       8/1993       Horie       382       4         5,251,259       10/1993       Mosley       380       23         5,265,162       11/1993       Bush et al.       380       24         5,276,314       1/1994       Martino et al.       235       380         5,280,527       1/1994       Gullman et al.       380       23         5,321,242       6/1994       Heath, Jr.       235       382	+					
5,210,588       5/1993       Lee       356       71         5,210,797       5/1993       Usui et al.       382       4         5,222,152       6/1993       Fishbine et al.       382       2         5,224,164       6/1993       Eisner et al.       380       44         5,229,764       7/1993       Matchett et al.       340       825.34         5,230,025       7/1993       Fishbine et al.       382       4         5,239,583       8/1993       Parrillo       380       23         5,241,606       8/1993       Horie       382       4         5,251,259       10/1993       Mosley       380       23         5,265,162       11/1993       Bush et al.       380       24         5,276,314       1/1994       Martino et al.       235       380         5,280,527       1/1994       Gullman et al.       380       23         5,321,242       6/1994       Heath, Jr.       235       382	+					
5,210,797       5/1993       Usui et al.       382       4         5,222,152       6/1993       Fishbine et al.       382       2         5,224,164       6/1993       Eisner et al.       380       44         5,229,764       7/1993       Matchett et al.       340       825.34         5,230,025       7/1993       Fishbine et al.       382       4         5,239,583       8/1993       Parrillo       380       23         5,241,606       8/1993       Horie       382       4         5,251,259       10/1993       Mosley       380       23         5,265,162       11/1993       Bush et al.       380       24         5,276,314       1/1994       Martino et al.       235       380         5,280,527       1/1994       Gullman et al.       380       23         5,321,242       6/1994       Heath, Jr.       235       382	+	•		-		
5,222,152       6/1993       Fishbine et al.       382       2         5,224,164       6/1993       Eisner et al.       380       44         5,229,764       7/1993       Matchett et al.       340       825.34         5,230,025       7/1993       Fishbine et al.       382       4         5,239,583       8/1993       Parrillo       380       23         5,241,606       8/1993       Horie       382       4         5,251,259       10/1993       Mosley       380       23         5,265,162       11/1993       Bush et al.       380       24         5,276,314       1/1994       Martino et al.       235       380         5,280,527       1/1994       Gullman et al.       380       23         5,321,242       6/1994       Heath, Jr.       235       382	+					
5,224,164       6/1993       Eisner et al.       380       44         5,229,764       7/1993       Matchett et al.       340       825.34         5,230,025       7/1993       Fishbine et al.       382       4         5,239,583       8/1993       Parrillo       380       23         5,241,606       8/1993       Horie       382       4         5,251,259       10/1993       Mosley       380       23         5,265,162       11/1993       Bush et al.       380       24         5,276,314       1/1994       Martino et al.       235       380         5,280,527       1/1994       Gullman et al.       380       23         5,321,242       6/1994       Heath, Jr.       235       382	+					
5,229,764       7/1993       Matchett et al. 340       825.34         5,230,025       7/1993       Fishbine et al. 382       4         5,239,583       8/1993       Parrillo 380       23         5,241,606       8/1993       Horie 382       4         5,251,259       10/1993       Mosley 380       23         5,265,162       1 1/1993       Bush et al. 380       24         5,276,314       1/1994       Martino et al. 235       380         5,280,527       1/1994       Gullman et al. 380       23         5,321,242       6/1994       Heath, Jr. 235       382	+					
5,230,025       7/1993       Fishbine et al.       382       4         5,239,583       8/1993       Parrillo       380       23         5,241,606       8/1993       Horie       382       4         5,251,259       10/1993       Mosley       380       23         5,265,162       11/1993       Bush et al.       380       24         5,276,314       1/1994       Martino et al.       235       380         5,280,527       1/1994       Gullman et al.       380       23         5,321,242       6/1994       Heath, Jr.       235       382	+					
5,239,583       8/1993       Parrillo       380       23         5,241,606       8/1993       Horie       382       4         5,251,259       10/1993       Mosley       380       23         5,265,162       11/1993       Bush et al.       380       24         5,276,314       1/1994       Martino et al.       235       380         5,280,527       1/1994       Gullman et al.       380       23         5,321,242       6/1994       Heath, Jr.       235       382	+					
5,241,606 8/1993 Horie 382 4 5,251,259 10/1993 Mosley 380 23 5,265,162 11/1993 Bush et al. 380 24 5,276,314 1/1994 Martino et al. 235 380 5,280,527 1/1994 Gullman et al. 380 23 5,321,242 6/1994 Heath, Jr. 235 382	+-					
5,251,259 10/1993 Mosley 380 23 5,265,162 11/1993 Bush et al. 380 24 5,276,314 1/1994 Martino et al. 235 380 5,280,527 1/1994 Gullman et al. 380 23 5,321,242 6/1994 Heath, Jr. 235 382	+					
5,265,162 11/1993 Bush et al. 380 24 5,276,314 1/1994 Martino et al. 235 380 5,280,527 1/1994 Gullman et al. 380 23 5,321,242 6/1994 Heath, Jr. 235 382	+-					
5,276,314 1/1994 Martino et al. 235 380 5,280,527 1/1994 Gullman et al. 380 23 5,321,242 6/1994 Heath, Jr. 235 382	+	•				
5,280,527 1/1994 Gullman et al. 380 23 5,321,242 6/1994 Heath, Jr. 235 382	+					
5,321,242 6/1994 Heath, Jr. 235 382	+	•				
	TA					
	1m		6/1994 <i>1</i> 1	Heath, Jr.	235	382

Examiner from Suc. Date Considered 9/12/06

<sup>\*</sup>Examiner Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Form PTO-1449 (modified) INFORMATION DISCLOSURE CITATION	Atty. Docket No. 8514-58	Serial No. 09/639,948
	Applicant: Ned Hoffman	
,	Filing Date August 17, 2000	Group 2761

Initial	Document Number	Date	Name	Class	Subclass	RECEIVED
15	5.005.440	611.004				NECEIVED
<i>-</i> <b>F</b> Y	5,325,442	6/1994	Knapp	382	4	
	5,335,288	8/1994	Faulkner	381	2	JUL 2 7 2001
	5,343,529	8/1994	Goldfine et al.	380	23	
	5,351,303	9/1994	Willmore	382	4	Technology Contago
	5,354,974	10/1994	Eisenberg	235	379	Technology Center 2100
	5,359,669	10/1994	Shanely et al.	382	117	
	5,383,113	1/1995	Kight et al.	705	40	
	5,386,104	1/1995	Sime	235	379	
	5,499,288	3/1996	Hunt	379	266	
	5,561,718	10/1996	Muller	379	266	
	5,604,802	2/1997	Holloway	380	24	
	5,613,012	3/1997	Hoffman et al.	382	115	
	5,615,277	3/1997	Hoffman	382	115	
	5,636,282	6/1997	Holmquist	380	25	
T	5,745,555	4/1998	Mark	379	95	
7	5,757,917	5/1998	Rose et al			
T	5,764,789	6/1998	Pare, Jr. et al	382	115	
7	5,790,668	8/1998	Tomko	380	25	
7	5,802,199	9/1998	Pare, Jr. et al.	382	115	
	5,805,719	9/1998	Pare, Jr. et al.	382	115	
	5,826,241	10/1998	Stein et al.	705	26	
T	5,826,245	10/1998	Sandberg-Dime	ent 705	44	
T	5,838,812	10/1998	Pare, Jr. et al.	705	44	
1	5,870,723	2/1999	Pare, Jr. et al	705	39	
1	5,930,804	7/1999	Yu et al.	707	104	
1	5,956,700	9/1999	Landry	705	40	
$\top$	6,016,476	1/2000	Maes et al.	705	1	
+	6,023,783	2/2000	Ramachandran		44	
T.	6,040,783	3/2000	Houvener et al.		825.31	
10	6,105,010	8/2000	Musgrave	705	44	

Examiner Learn Sou Date Considered 9/12/16

<sup>\*</sup>Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1	DIPE	
6	II 23 200 3	
配	Signal and a signa	
Á	75. CE	

Form PTO-1449 (modified) Atty. Docket No. Serial No. INFORMATION DISCLOSURE CITATION 8514-58 09/639,948 Applicant: Ned Hoffman Filing Date Group August 17, 2000 2761

JUL 2 7 2001

## FOREIGN PATENT DOCUMENTS

**Technology Center 2100** 

Initial	Document Number	Date	Country	Name	Class	Subclass
户 井 西	WO/95/13591 WO/98/25227 0651357A1 0581421A1 EP0823701A2 WO98/50875	5/18/1995 6/11/1998 3/5/1995 2/2/1994 2/1998 11/1998	WIPO WIPO EPO EPO EPO WIPO	Jasper Consulting Dew Engineering Holloway Gajnak Fromm Delude et al.	g, Inc.	

## OTHER DOCUMENTS (including author, title, source, date, pertinent pages)

10	
$\perp$	
$\perp$	
$\perp$	
5/8	

Anderson et al., Security Management, American Society for Industrial Security V.37, n11, 17-19 (Nov. 1993) Radcliff, When Data Warehouse become Open House, Software Management, v16 n11, November 26, 1996. Anonymous, A Credit Union Points a Finger at Biometrics, Bank Network News, v 15 n16, January 13, 1997. Hall, J., Scanning Lets Fingerprints Do Talking, Toronto Star, PA6, May 15, 1997. Scally, R., CompUSA Tests Fingerprints to Help Secure Transactions, Discount Store News v36 n10, May 19, 1997.

Examiner Date Considered

<sup>\*</sup>Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.